BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

me of work: Estimate for Maintenance of Ward and Emergency Works in Ward No. 10 oddabommasandra), Vidyaranyapura Sub Division.

							Estimate Cost Rs.	2000000.00	
	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 **Page No. 137 / Item No. 18.19, PWD SR 2016-17**	cum							
	Roof Concrete		1	6.10	4.60	0.15	4.21		
	Lintel Long Walls		2	6.10	0.23	0.15	0.42		
	Short Walls		3	4.60	0.23	0.15	0.48		
	Basic Rate	1022.00					**5.11**	1103.76	**5636.00**
	Area Weightage @ 8%	81.76							
	Total	**1103.76**							
2	KSRRB M200-14.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202 **Page No. 137 / Item No. 18.23, PWD SR 2016-17**	cum							
	Long Walls		2	6.10	0.23	2.85	8.00		
	Short Walls		2	4.60	0.23	2.85	6.03		
	Basic Rate	244.00					**14.03**	263.52	**3697.00**
	Area Weightage @ 8%	19.52							
	Total	**263.52**							
3	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	All Round Wall		1	21.00	1.00	1.00	21.00		
	For Columns		6	1.50	1.50	1.50	20.25		
	For Sump		1	4.00	2.00	3.00	24.00		
	infront of Aswathkatte		1	30.00	15.00	0.15	67.50		
	Toilet		4	1.50	1.00	1.00	6.00		
	Basic Rate	189.00					**138.75**	204.12	**28322.00**
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	All Round Wall		1	21.00	1.00	0.15	3.15		
	Columns		6	1.50	1.50	0.15	2.03		
	Flooring								
	Living Hall		6	5.70	4.20	0.15	21.55		
	Sump		1	4.00	2.00	0.15	1.20		
	infront of Aswathkatte		1	30.00	15.00	0.15	67.50		
	Toilet		4	1.50	1.00	0.15	0.90		
	Basic Rate	4867.00					**96.32**	5256.36	**506298.00**
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum							
	All Round Wall		1	21.00	0.75	0.75	11.81		
	Toilet		4	1.20	0.75	0.45	1.62		
							13.43		
	Deduction of Columns		6	1.20	0.75	0.75	-4.05		
	Basic Rate	4187.00					**9.38**	4521.96	**42427.00**
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	All Round Wall		1	21.00	0.45	0.45	4.25		
	Toilet		4	1.20	0.45	0.45	0.97		
							5.22		
	Deduction of Columns		6	0.45	0.20	0.45	-0.24		
	Basic Rate	5005.00					**4.98**	5405.40	**26927.00**
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
7	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							
	Columns Footing		6	1.20	1.20	0.60	5.18		
	Columns Rising		6	0.20	0.45	3.60	1.94		
	Plinth		1	21.00	0.20	0.30	1.26		
	Lintel		1	21.00	0.20	0.15	0.63		
	Beams		1	4.60	0.20	0.45	0.41		
	Allround Beam		1	21.00	0.20	0.45	1.89		
	Roof Slab		1	6.10	4.60	0.15	4.21		
	Sump		1	4.00	2.00	0.15	1.20		
	Side Wall		2	4.00	0.15	2.70	3.24		
			2	1.70	0.15	2.70	1.38		
			1	4.00	2.00	0.15	1.20		
	Roof Toilet		1	1.50	1.50	0.15	0.34		
	Basic Rate	5879.00					**22.89**	6349.32	**145307.00**
	Area Weightage @ 8%	470.32							
	Total	**6349.32**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 4.2.11 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 8.5 cms.** average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 14 / Item No. 4.20, PWD SR 2016-17**	Sqm							
	Roof Slab		6	1.50	0.60		5.40		
	Basic Rate	514.00					**5.40**	555.12	**2998.00**
	Area Weightage @ 8%	41.12							
	Total	**555.12**							
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2016-17**	Cum							
			Qty Vide Item No. 1				138.75		
	Basic Rate	127.00					**138.75**	137.16	**19031.00**
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
10	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17**	Sqm							
	All Round Wall		2	21.00		3.00	126.00		
	Parapet		2	6.10		0.60	7.32		
			2	4.20		0.60	5.04		
	Toilet Wall		4	1.50		2.10	12.60		
							150.96		
	Deduct for Openings								
	ED		1	1.20		2.10	2.52		
	Windows		6	1.50		1.20	10.80		

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Lintel		1	21.00		0.15	3.15		
	Alround beam		1	21.00		0.45	9.45		
	Toilet Door		1	0.75		2.10	1.58		
	Ventilator		1	0.60		0.45	0.27		
							-27.77		
	Basic Rate	831.00					**123.20**	897.48	**110565.00**
	Area Weightage @ 8%	66.48							
	Total	**897.48**							
11	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
	110 Kg / Cum		0.110	22.89			2.52		
	7 Kgs/ Sqm		0.007	5.40			0.04		
	Basic Rate	56050.00					**2.56**	60534.00	**154677.00**
	Area Weightage @ 8%	4484.00							
	Total	**60534.00**							
12	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and	Sqm							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Roof Slab		1	6.10	4.20		25.62		
	Basic Rate	904.00					**25.62**	976.32	**25013.00**
	Area Weightage @ 8%	72.32							
	Total	**976.32**							
13	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17**	Sqm							
	Room		1	11.80	8.80		103.84		
			1	1.20	1.20		1.44		
	Basic Rate	193.00					**105.28**	235.44	**24787.00**
	Add for Lime Rendering	25.00							
		218.00							
	Area Weightage @ 8%	17.44							
	Total	**235.44**							
14	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.16, PWD SR 2016-17**	Sqm							
	Living hall		2	5.70		3.00	34.20		
			2	4.20		3.00	25.20		
			4	1.20		2.10	10.08		
							69.48		
	Deduction ED		0.5x1	1.20		2.10	1.26		
	Windows		0.5x6	1.50		1.20	5.40		
			0.5x1	0.75		2.10	0.79		
			0.5x1	0.60		0.45	0.14		
							-7.58		
	Basic Rate	221.00					**61.90**	264.60	**16378.00**
	Add for Lime Rendering	24.00							
	Total	**245.00**							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
5	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17**	Sqm							
			2	5.70		3.90	44.46		
			2	4.20		3.90	32.76		
			4	1.50		2.10	12.60		
							89.82		
	Deduction ED		0.5x1	1.20		2.10	1.26		
	Windows		0.5x6	1.50		1.20	5.40		
			0.5x1	0.75		2.10	0.79		
			0.5x1	0.60		0.45	0.14		
							-7.58		
	Basic Rate	198.00					**82.24**	213.84	**17586.00**
	Area Weightage @ 8%	15.84							
	Total	**213.84**							
6	KSRB 14.10-1: Flooring with 25mm to 40mm thick polished **tandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, , including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS **Page No. 103 / Item No. 14.15, PWD SR 2016-17**	Sqm							
	Room		1	5.70	4.20		23.94		
	Skerting		2	5.70	0.10		1.14		
			2	4.20	0.10		0.84		
	Basic Rate	1121.00					**25.92**	1210.68	**31381.00**
	Area Weightage @ 8%	89.68							
	Total	**1210.68**							
17	KSRB 4-6.10 :Providing and removing **centering, shuttering, strutting, propping** etc., for **chajjas, corbels** etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.37, PWD SR 2016-17**	Sqm							
			6	1.50	0.60		5.40		
	Basic Rate	270.00					**5.40**	291.60	**1575.00**
	Area Weightage @ 8%	21.60							
	Total	**291.60**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
19	KSRB 4-6.5 : Providing and removing **centering, shuttering, strutting, propping** etc., for **columns, pillars, post and struts**, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.32, PWD SR 2016-17**	Sqm							
			6	4.80		0.60	17.28		
			6	1.23		3.60	26.57		
							43.85	395.28	**17332.00**
	Basic Rate	366.00							
	Area Weightage @ 8%	29.28							
	Total	**395.28**							
19	KSRB 4-6.3 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.30 PWD SR 2016-17**	Sqm							
	Anganavadi		1	5.70	4.20		23.94		
	Toilet		1	1.20	1.20		1.44		
							25.38	414.72	**10526.00**
	Basic Rate	384.00							
	Area Weightage @ 8%	30.72							
	Total	**414.72**							
20	KSRB 4-6.7 :Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.34, PWD SR 2016-17**	Sqm							
	Allround Lintel		2	21.00		0.30	12.60		
	Allround Plinth		2	21.00		0.15	6.30		
			2	21.00		0.45	18.90		
			1	4.60		1.10	5.06		
	For Sump Side Wall		4	4.00		2.70	43.20		
			4	1.70		2.70	18.36		
	Rood		1	3.70	1.70		6.29		
	Covering Sides		2	4.00		0.15	1.20		
			2	2.00		0.15	0.60		
							112.51	276.48	**31107.00**
	Basic Rate	256.00							
	Area Weightage @ 8%	20.48							
	Total	**276.48**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 7.3 : Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m.** Specification No. KBS 7.9 / 7.12. **Page No. 31 / Item No. 7.3 / PWD SR 2016-17**	Sqm							
	Horizontal		1	1.20		2.10	2.52		
			1	0.75		2.10	1.58		
							4.10	2471.92	**10123.00**
	Basic Rate	2332.00							
	Area Weightage @ 6%	139.92							
	Total	**2471.92**							
22	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as d, finishing to lines and grades as per drawing complete as per specifications. - **M20 (at 300Kg per cum coarse aggr**	Sqm							
	Windows		6	1.20		1.50	10.80		
			1	0.60		0.45	0.27		
							11.07	3741.80	**41422.00**
	Basic Rate	3530.00							
	Area Weightage @ 6%	211.80							
	Total	**3741.80**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**	Sqm							
				Qty Vide Item No.10+11			167.18		
	Basic Rate	71.00					**167.18**	76.68	**12819.00**
	Area Weightage @ 8%	5.68							
	Total	**76.68**							
24	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2, SR 2016-17.**	Sqm							
				Qty Vide Item No.12			82.24		
	Basic Rate	84.00					**82.24**	90.72	**7461.00**
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
25	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. **Page No.106, Item No. 14.36.2, PWD SR 2016-17**	Sqm							
	Flooring		1	1.20	1.20		1.44		
							1.44	1270.08	**1829.00**
	Basic Rate	1176.00							
	Area Weightage @ 8%	94.08							
	Total	**1270.08**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 14-17.2 : Providing skirting, dado, risers of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. **Page No.106, Item No. 14.41.2 PWD SR 2016-17**	Sqm							
			4	1.20	1.20		5.76		
	Deduction of Doors		1	0.75	2.10		-1.58		
	Ventilator		1	0.60	0.45		-0.27		
							3.92	1602.72	**6275.00**
	Basic Rate	1484.00							
	Area Weightage @ 8%	118.72							
	Total	**1602.72**							
27	KSRB 11-6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed / vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.6, PWD SR 2016-17**	Each								
			1				**1**	5351.40	**5351.00**
	Basic Rate	4955.00							
	Area Weightage @ 8%	396.40							
	Total	**5351.40**							
28	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 80, Item No. 12.23, PWD SR 2016-17**	Unit								
			2				**2**	4196.88	**8394.00**

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Basic Rate	3886.00							
	Area Weightage @ 8%	310.88							
	Total	**4196.88**							
	KSRB13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 **Page No. 90, Item No. 13.2, PWD SR 2016-17**	m							
			1	10.00			**10.00**	241.92	**2419.00**
	Basic Rate	224.00							
	Area Weightage @ 8%	17.92							
	Total	**241.92**							
30	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. (P.No. 265 / I.No. 37.58 of CSR 2016-17)	L							
			1	500.00			**500**	6.48	**3240.00**
	Basic Rate	6.00							
	Area Weightage @ 8%	0.48							
	Total	**6.48**							
31	KSRB13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 **Page No. 91, Item No. 13.27, PWD SR 2016-17**	Each							
			3				**3**	172.80	**518.00**
	Basic Rate	160.00							
	Area Weightage @ 8%	12.80							
	Total	**172.80**							
32	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. **Page No. 47 / Item No. 8.16, PWD SR 2016-17**	m							
	All Round Wall		2	3.00			**6.00**	429.84	**2579.00**
	Basic Rate	398.00							
	Area Weightage @ 8%	31.84							
	Total	**429.84**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and**	cum							
			1	30.00	15.00	0.10	45.00		
							45.00	5508.82	**247897.00**
	Basic Rate	5197.00							
	Area Weightage @ 6%	311.82							
	Total	**5508.82**							
34	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. **Page No. 177 / Item No. 22.7, PWD SR 2016-17**	Sqm							
			1	30.00	15.00		450.00		
							450.00	95.40	**42930.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							
	Sub Total								**1614827.00**
	Third party Inspection Charges @ 1%								**16148.00**

19,46,000.00

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Electrical & Fittings								19000.00
	Gym Equipments								350000.00
	Miscesalaneous and unforeseen Charges	L/S							25.00
								Total	2000000.00

(Rupees Twenty lakhs only)

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17 and KPWD SR 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
12/01

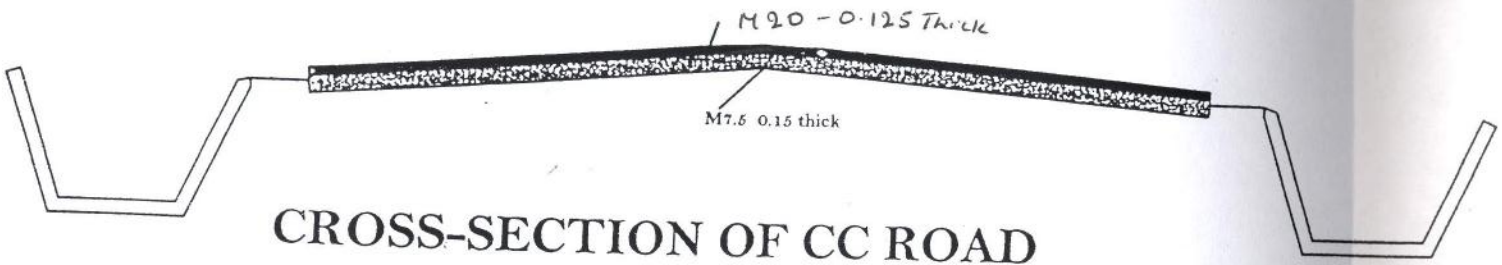
Administrative Approval
Accorded For ....20.00 lakhs....
Head of A/C.....P-1771
CER NO :.....108 DE... 12-01/17

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Nineteen Lakhs Forty Six thousand only
Head of A/c..... P-1771
Div. Ref. No. 23/17-18 Date. 01/09/17

AE 01/09
EE(BTP) 1/09

NAME OF WORK:-



CROSS-SECTION OF CC ROAD

INDEX

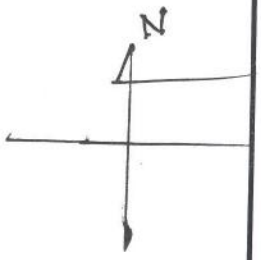
M7.5 1:4:8 0.15m Thick

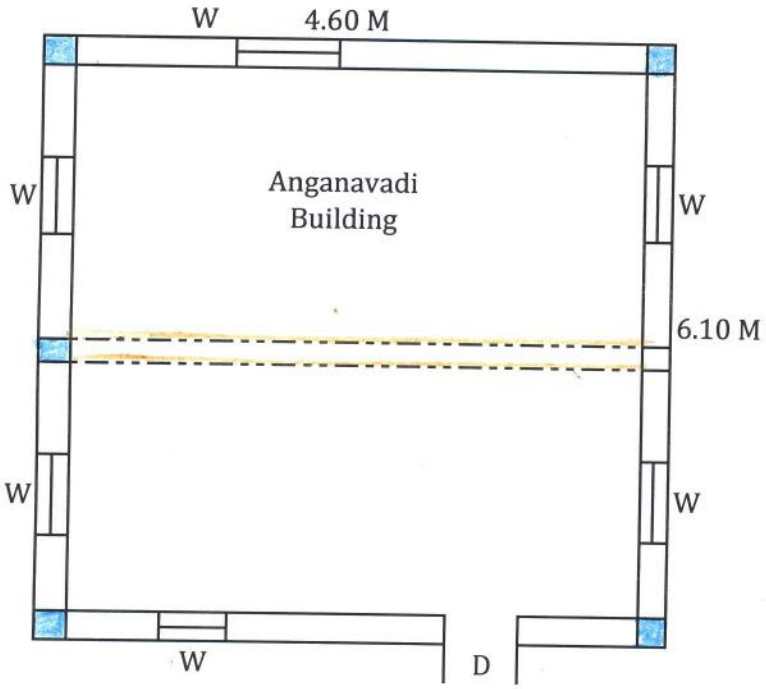
M20 1:1.5:3 0.10m Thick

Jadhao
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.

Name of Work: Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.





INDEX:

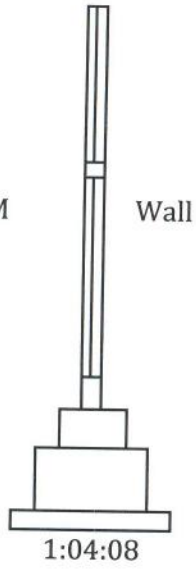
D Door 1.20x2.10 M
W Windows 1.50 x 1.20 M

Beams:

0.20 x 0.45 M

Columns
0.20 x 0.45 M

Plinth Beam 0.30 M
SSM Base 0.45 M
SSM Foun 0.75 M



Cross Section

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division